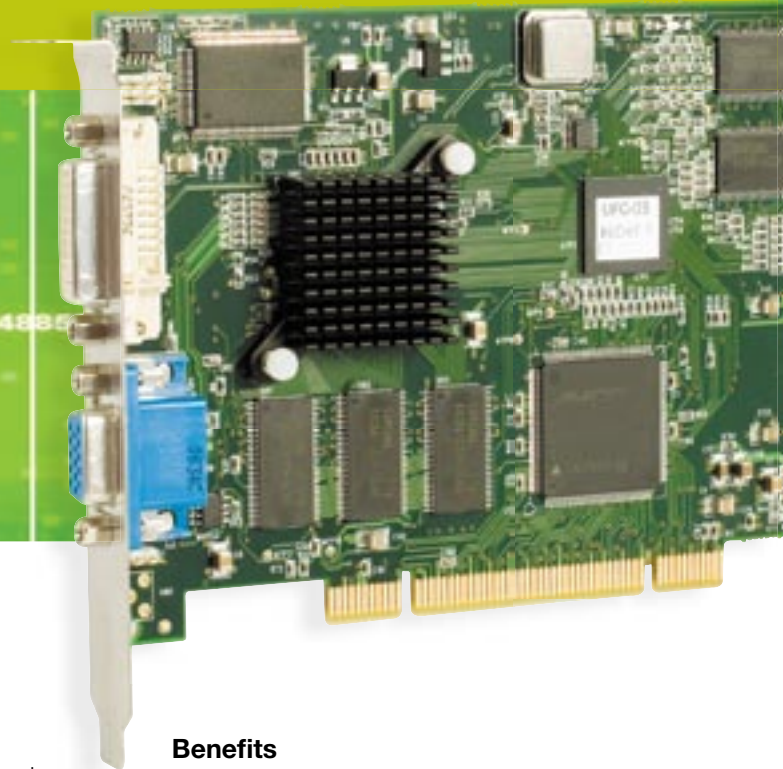
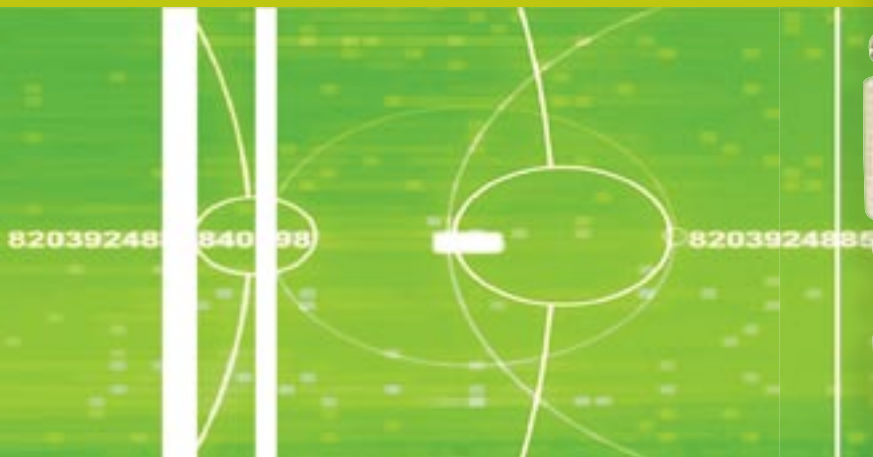


# UFG-03A

versatile RGB and DVI frame grabber



## High Definition Capture of RGB and DVI Video

UFG-03 is a versatile video frame grabber that enables the capture, printing and transmission of the screen of any PC or other equipment. Tools often available in a standard PC can be used to store the video as single images or video streams. Application areas for the UFG-03 can be found in industrial, medical, multimedia or in maritime environment.

## Compatible with Standard Windows Applications

UFG-03 can be used with a wide selection of video capturing and streaming tools. Any application supporting Video for Windows (VFW) automatically recognizes UFG-03. Also the UFG-03 tools are available in those applications.

For areas where a custom application is necessary, the UFG-03 Extended Driver Interface provides a direct access to its all functions and parameters. A SDK with example applications and example source code is included.

## Automatic Video Signal Detection

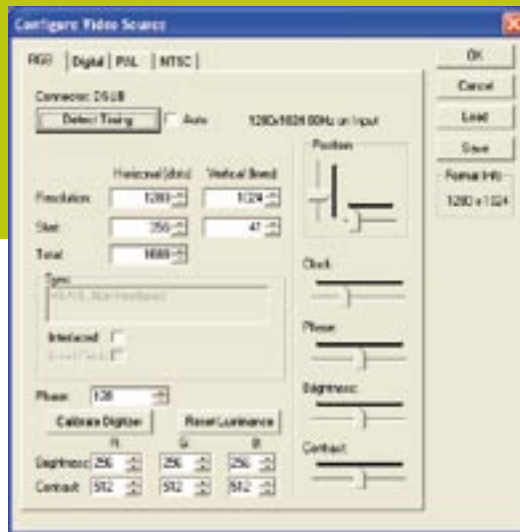
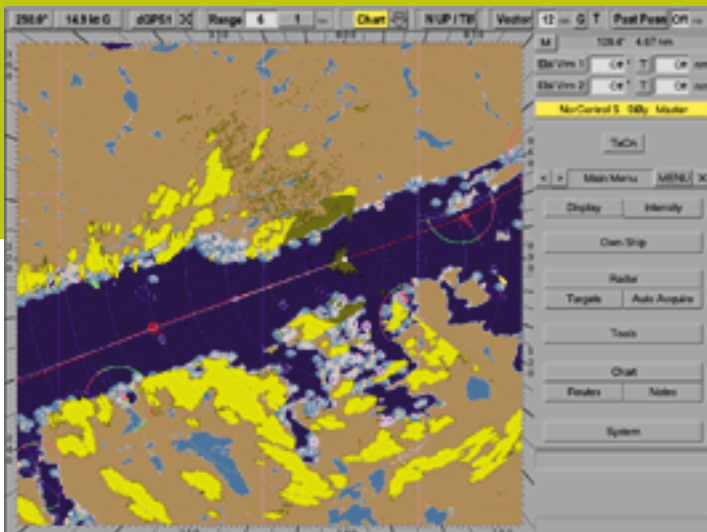
UFG-03 automatically detects all standard VESA display modes. In addition to that, UFG-03 can be used with sync modes from CSync to Sync on Green.

### Benefits

- Capture of images and streams from RGB and DVI video
- Video for Windows compatible
- Compact half size PCI card
- Compatible with PCI and PCI-X
- Built-in display mode and sync detection
- PCI bus data transfer speed up to 133 MBytes/s
- Image captured in one video frame
- HW scaling down to half input image size and up to 1600 x 1200

# UFG-03A

versatile RGB and DVI frame grabber



LEFT **UFG-03 image clarity and stability meets the highest industry requirements.**

RIGHT **The configuration tool enables interactive fine-tuning of the capturing parameters.**

## Applications

### Video Image Capture

You can use UFG Frame Grabbers to store an electronic copy of an image from a medical, industrial, laboratory etc. Instrument's screen. Your need might as well be to backup real time information from an automation system or e.g. a radar display.

### Video Streaming

UFG Frame Grabbers can store your video into a video stream file for live broadcasting or e.g. A slide show presentation.

### Video Printing

The UFG Frame Grabbers replace an outdated video printer. UFG-03 is capable of storing video images from all kinds of video display screens for printing to an ordinary PC printer.

### Picture in Picture

If you need to see the screen of a PC or other device screens on a PC display, UFG Frame Grabbers can help you. Up to 10 screen images can be shown on one PC screen.

## Specifications

Video Input	RGB on VGA connector TMDS on DVI-I connector (Composite Video optional)	
	<u>UFG-03 Std</u>	<u>UFG-03 HiDef</u>
Input Resolution	1280 x 1024	2048 x 1536
Input Frame Rate		
1600 x 1200	-	60 Hz
1280 x 1024	60 Hz	85 Hz
1024 x 768	85 Hz	85 Hz
Input Pixel Frequency	110 MHz	165 MHz
A/D Conversion	8 bits per color	
Scan Modes	Progressive, interlaced	
Sync Modes	Automatically detected HS/VS, Composite and Sync-on-Green	
HW Scaling	From half of input image size to 1600 x 1200, independently horizontal and vertical	
Output Color Depth	16, 24 or 32 bits per pixel	
Data Interface	PCI bus master; bursts up to 133 MBytes/sec Compatible with both 5 V and 3.3 V bus logic voltages	
Operating Systems	Windows XP and 2000	
SW Interface	Video for Windows compatible with Installable Driver functions	
Multi-board Support	Up to 10 boards in a system	
Module Size	Half size PCI card, Length 175 mm	
Power Consumption	7.5 Watts maximum	